New Amendments to the 2006 Standard Specifications
Effective April 3, 2006

Please note: New Amendments to the Standard Specifications are described below. Previous Amendments that are not revised in this package are still in effect. Amendments to the Standard Specifications take precedence over the Standard Specifications in accordance with Section 1-04.2. The following list is a brief overview of the current revisions, with an explanation of why each change was made. The actual provisions should be reviewed in depth to become completely knowledgeable of the full extent of the revisions. These provisions are available at the following location: http://www.wsdot.wa.gov/eesc/design/projectdev/

DIVISION 1 – GENERAL REQUIREMENTS

Section 1-04.6 Variation in Estimated Quantity

This revision enables a time extension according to Section 1-08.8 for overruns in estimated quantities that affect critical activities. The provision formerly required overran quantities of work to be performed within the original time for completion. Time impacts may occur with the first unit of overrun if the item of work is on the critical path.

Section 1-06.1 Approval of Materials Prior to Use

This specification is enhanced by adding the Aggregate Source Approval database to the materials acceptance process, and by providing the web site for the QPL.

Section 1-08.3 Progress Schedule

This section is completely rewritten to clearly define the information required for an acceptable schedule. Scheduling terms and practices are now referenced to an industry standard that is available through the AGC of America. Simple bar chart (Type A) schedules and Weekly Look-Ahead Schedules are incorporated into the specification. A minimum bid pay item is established for a standard (Type B) schedules. The Precedence Diagramming Method (PDM) is now required. PDM differs from Activity on Arrow (AOA) and Activity on Node (AON) methods in that PDM allows Finish to Start, Start to Finish, Finish to Finish and Start to Start relationships, while the other methods allow only Finish to Start relationships. A schedule review turnaround time of 15 days is now specified. The conditions that allow the Engineer to request a Schedule Update, and the content of the update are now clearly defined. Schedule updates that are required because of the Contractors operations are not measured for payment, but those required due to the Owners actions (delays or added work, for example) may require an equitable adjustment. All of these changes were developed by the AGC/WSDOT Administration Team. **Existing Region GSP's for Look-Ahead Schedules should be deleted.**

Section 1-08.4 Prosecution of Work

The Contractor now has until the first working day that is 21 days from the date of execution to start work on the project. This is increased from 10 days. This change was developed by the AGC/WSDOT Administration Team.

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Effective April 3, 2006

Section 1-08.5 Time for Completion

This revision defines the time between Christmas and New Years day as nonworking days, and redefines the minimum increment of unworkable days as "½ day" instead of "partial day." The provision now explicitly ties unworkable days to the critical path of the approved CPM schedule, where this relationship was only discussed in the Construction Manual previously. "Other conditions beyond the control of the Contractor" are no longer eligible for a determination of unworkable days. Excusable and compensable delays that are not weather related are evaluated under Section 1-08.8 Extensions of Time. The Contractor now has up to 21 calendar days after contract execution before working days are charged, or the date that onsite work begins. All of these changes were developed by the AGC/WSDOT Administration Team.

Section 1-08.8 Extensions of Time

This section is revised to include a reference to the time extensions already allowed in Section 1-09.6, to allow a time extension for an overrun of estimated quantities that affects critical work in section 1-04.6, and to allow a time extension for failure to obtain critical materials and labor due to exceptional causes. The provision also requires the Engineer to evaluate requests for a time extension within 15 calendar days.

DIVISION 5 – SURFACE TREATMENTS AND PAVEMENTS

Section 5-01.3(2)B Portland Cement Concrete

This provision is enhanced to require the Contractor to protect curing concrete from shock and vibration, and to cure concrete test cylinders using cure boxes. The change is a product of WSDOT partnership with the Washington Aggregates and Concrete Association (WACA) and is intended to address the fact that some field curing conditions do not meet our specifications or AASHTO requirements.

Section 5-01.3(6) Dowel Bar Retrofit

This revision deletes the Contractor's option to clean the slots with a pressure washer. Our materials lab has attributed some problems with delamination and low patching material strengths to the wash water used for cleaning dowel bar slots.

Section 5-05.3(4)A Acceptance of Portland Cement Concrete

This provision is enhanced to require the Contractor to protect curing concrete from shock and vibration, and to cure concrete test cylinders using cure boxes. The change is a product of WSDOT partnership with the Washington Aggregates and Concrete Association (WACA) and is intended to address the fact that some field curing conditions do not meet our specifications or AASHTO requirements.

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DIVISION 6 - STRUCTURES

Section 6-02.3(2)A Contractor Mix Design
Formerly, this provision did not allow a combined gradation for the fine and coarse aggregates without using a GSP. We incorporated the combined gradation into Section 9-03.1(5), but did not clearly reference that allowance here. This Amendment clarifies that a combined gradation is permitted.

Section 6-02.3(4)A Qualification of Concrete Suppliers
This specification change is a clarification of our previous specification, and changes terminology in the specification to match up with the National Ready Mix Concrete Association (NRMCA) checklist. Changes include using the term, "Volumetric water batching devices (including water meters)" in place of "water meters" and changing the time verification length from 6 months to 90 days for verification of Volumetric water batching devices (including water meters). This change in verification time matches up with NRMCA requirements.

Section 6-02.3(5)H Sampling and Testing for Compressive Strength and Initial Curing
This provision is enhanced to require the Contractor to protect curing concrete from shock and vibration, and to cure concrete test cylinders using cure boxes. The change is a product of WSDOT partnership with the Washington Aggregates and Concrete Association (WACA) and is intended to address the fact that some field curing conditions do not meet our specifications or AASHTO requirements.

Section 6-02.3(28)A Shop Drawings
The physical address of the Bridge and Structures Office changed from the former Lacey location to the new Tumwater location, and is corrected by this Amendment

Section 6-02.4 Measurement
This provision is supplemented with a statement for cure boxes.

Section 6-02.5 Payment
This provision is supplemented with the LS bid item, “Cure Box”.

Section 6-03.3(7) Shop Plans
The physical address of the Bridge and Structures Office changed from the former Lacey location to the new Tumwater location, and is corrected by this Amendment.

Section 6-03.3(33) Bolted Connections
This is a minor change that updates outdated terminology. The reference to bolted connections is changed from “friction type” to “slip critical” to align with current AASHTO and AISC designations.

Section 6-13.3(6) Welded Wire Faced Structural Earth Wall Erection
This revision references existing geosynthetic reinforcing construction requirements. This change is necessary to add Tensar welded wire faced structural earth wall system to the list of WSDOT pre-approved structural earth wall systems for wall heights of 33 feet or less.

Section 6-13.3(9) SEW Traffic Barrier and SEW Pedestrian Barrier
This revision clarifies WSDOT design policy assigning SEW traffic barrier and SEW pedestrian barrier design responsibility to the Contractor and the SE wall manufacturer. This was required under the previous specification, but not very clearly.

DIVISION 8 – MISCELLANEOUS CONSTRUCTION

Section 8-01.3(1) General
This change incorporates the existing GSP 010313.GR8 for areas of Eastern WA that receive more than 12 inches of rainfall into the Standard Spec. These requirements address NPDES permit conditions. GSP 010313.GR8 will be deleted.

Section 8-01.4 Measurement
This section is supplemented with a measurement statement for Coir Log. Coir logs were added to this section in the printing of the 2006 book, but lacked the measurement and payment statements.

Section 8-01.5 Payment
This section is supplemented with the bid item, "Coir Log." Coir logs were added to this section in the printing of the 2006 book, but lacked the measurement and payment statements.

Section 8-02.3(8) Planting
The changes refined the language prohibiting burlap and foreign matter from being planted with the tree, clarifies the depth of planting. These revisions are a product of the WSDOT statewide specification team of Landscape Architects and roadside development professionals, and are in line with current industry practice.

Section 8-02.3(9) Pruning, Staking, Guying and Wrapping
This change modifies the requirements for pruning at the time of planting, and prohibits additional pruning until plants have been in the ground at least one year. These revisions are a product of the WSDOT statewide specification team of Landscape Architects and roadside development professionals, and are in line with current industry practice.

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Section 8-08 Rumble Strips
Sections 8-08.1 and 8-08.3 are revised to remove concrete from the list of items to receive rumble strips. The specification contradicts itself by describing rumble strips in concrete and then prohibiting rumble strips in concrete. The construction requirements are also revised to remove the disposal of cuttings and other debris "as designated by the Engineer," and now make such debris the property of the Contractor.

Section 8-09.3(5) Recessed Pavement Marker
The appropriate construction requirements for surface preparation and epoxy applications from Raised Pavement Markers are now included for the recessed type, as they have never been included but always needed.

Section 8-11.3(4) Removing Guardrail
This revision clarifies what is included in the removal of guardrail. The provision did not clearly describe exactly what is being paid for in each item for removal of guardrail and for removal of guardrail anchor. Also eliminates the subjective condition of backfill compacted "to the satisfaction of the Engineer."

Section 8-20.3(14)E Signal Standards
This amendment changes the minimum compressive strength required to erect the signal pole. The amount specified is incorrect and too low. It appears to have been made with an assumption of a higher class of concrete than what is really used.

Section 8-22.3(2) Preparation of Roadway Surfaces
This revision allows installation temperatures recommended by the manufacturer for plastic pavement marking materials.

Section 8-22.3(3) Marking Application
This change revises the direction of striping application for broken lines to align with the WSDOT striping crew's direction of travel. The change was requested by the WSDOT Maintenance striping crews because they have trouble matching the paint application when the contractors' initial application is funny. The specification is enhanced with the addition of cure period between coats of spray application plastic. Minor changed to inset plastic line thickness to eliminate the overfill specification. Overfilling the plastic line causes rapid loss of the retroreflective glass beads and reduces stripe life.

Section 8-22.3(5) Plastic Installation Instructions
The Section title is revised to include "Plastic" and the provision is enhanced to allow the Contractor to be certified by the manufacturer, instead of requiring a manufacturer's representative to be present during initial installation of plastic material.

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DIVISION 9 - MATERIALS

Section 9-16.1(1)A Chain Link Fence and Post Material
The spec is being enhanced to reference an existing ASTM standard for the structural properties of the material, instead of referencing a WSDOT Standard Plan. This will allow the referenced Standard Plan to be retired.

Section 9-33.2(3) Prefabricated Drainage Mat
This is a minor revision to the material properties of prefabricated drainage mat. The grab strength is revised from 110 lbs to 100 lbs. Some Contractors under some recent contracts requiring prefabricated drainage mat material have had difficulty providing material conforming to the currently specified grab strength of 110 pounds minimum.

Section 9-34.4 Glass Beads
Minor update of an ASTM test number to eliminate an old year designation

Section 9-35.2 Construction Signs
This revision to the material requirements for construction signs requires all signs to be made from aluminum. This does not preclude the use of fabric roll-up signs that meet NCHRP 350 until December 31, 2007. We attempted to prohibit the use of plywood signs back in August 2004 when we deleted the material requirements for plywood signs from Section 9-28.10, but it did not result in the desired intent. This provision now accomplishes that intent.